

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/062,113

1646

DATE: 08/05/1999
TIME: 12:18:41

INPUT SET: S32785.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: GOTO, Masaaki
6 TSUDA, Eisuke
7 MOCHIZUKI, Shin'ichi
8 YANO, Kazuki
9 KOBAYASHI, Fumie
10 SHIMA, Nobuyuki
11 YASUDA, Hisataka
12 NAKAGAWA, Nobuaki
13 MORINAGA, Tomonori
14 UEDA, Masatsugu
15 HIGASHIO, Kanji
16
17 (ii) TITLE OF INVENTION: Novel Proteins and Methods for Producing
18 the Proteins
19
20 (iii) NUMBER OF SEQUENCES: 108
21
22 (iv) CORRESPONDENCE ADDRESS:
23 (A) ADDRESSEE: Testa, Hurwitz & Thibault
24 (B) STREET: 125 High St.
25 (C) CITY: Boston
26 (D) STATE: MA
27 (E) COUNTRY: USA
28 (F) ZIP: 02110
29
30 (v) COMPUTER READABLE FORM:
31 (A) MEDIUM TYPE: Floppy disk
32 (B) COMPUTER: IBM PC compatible
33 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
34 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
35
36 (vi) CURRENT APPLICATION DATA:
37 (A) APPLICATION NUMBER: US 09/062,113
38 (B) FILING DATE: 17-APR-1998
39 (C) CLASSIFICATION:
40
41 (vii) PRIOR APPLICATION DATA:
42 (A) APPLICATION NUMBER: JP 54977/1995
43 (B) FILING DATE: 20-FEB-1995
44
45 (vii) PRIOR APPLICATION DATA:
46 (A) APPLICATION NUMBER: JP 207508/1995

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/062,113DATE: 08/05/1999
TIME: 12:18:41

INPUT SET: S32785.raw

47 (B) FILING DATE: 21-JUL-1995
48
49 (vii) PRIOR APPLICATION DATA:
50 (A) APPLICATION NUMBER: PCT/JP96/00374
51 (B) FILING DATE: 20-FEB-1996
52
53 (vii) PRIOR APPLICATION DATA:
54 (A) APPLICATION NUMBER: US 08/915,004
55 (B) FILING DATE: 20-FEB-1996
56
57 (viii) ATTORNEY/AGENT INFORMATION:
58 (A) NAME: MOORE, Ronda P.
59 (B) REGISTRATION NUMBER: 44,244
60 (C) REFERENCE/DOCKET NUMBER: FJN-060DV
61
62 (ix) TELECOMMUNICATION INFORMATION:
63 (A) TELEPHONE: (617) 248-7000
64 (B) TELEFAX: (617) 248-7100
65
66
67 (2) INFORMATION FOR SEQ ID NO:1:
68
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 6 amino acids
71 (B) TYPE: amino acid
72 (C) STRANDEDNESS:
73 (D) TOPOLOGY: linear
74
75 (ii) MOLECULE TYPE: peptide
76
77
78 (ix) FEATURE:
79 (A) NAME/KEY: Peptide
80 (B) LOCATION: 1..6
81 (D) OTHER INFORMATION: /note= "(an internal amino acid
82 sequence of the protein)"
83
84
85 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
86
87 Xaa Tyr His Phe Pro Lys
88 1 5
89
90 (2) INFORMATION FOR SEQ ID NO:2:
91
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 14 amino acids
94 (B) TYPE: amino acid
95 (C) STRANDEDNESS:
96 (D) TOPOLOGY: linear
97
98 (ii) MOLECULE TYPE: peptide
99

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/062,113DATE: 08/05/1999
TIME: 12:18:41

INPUT SET: S32785.raw

100
101 (ix) FEATURE:
102 (A) NAME/KEY: Peptide
103 (B) LOCATION: 1..14
104 (D) OTHER INFORMATION: /note= "(an internal amino acid
105 sequence of the protein)"
106
107
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
109
110 Xaa Gln His Ser Xaa Gln Glu Gln Thr Phe Gln Leu Xaa Lys
111 1 5 10
112
113 (2) INFORMATION FOR SEQ ID NO:3:
114
115 (i) SEQUENCE CHARACTERISTICS:
116 (A) LENGTH: 12 amino acids
117 (B) TYPE: amino acid
118 (C) STRANDEDNESS:
119 (D) TOPOLOGY: linear
120
121 (ii) MOLECULE TYPE: peptide
122
123
124 (ix) FEATURE:
125 (A) NAME/KEY: Peptide
126 (B) LOCATION: 1..12
127 (D) OTHER INFORMATION: /note= "(an internal amino acid
128 sequence of the protein)"
129
130
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
132
133 Xaa Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys
134 1 5 10
135
136 (2) INFORMATION FOR SEQ ID NO:4:
137
138 (i) SEQUENCE CHARACTERISTICS:
139 (A) LENGTH: 380 amino acids
140 (B) TYPE: amino acid
141 (C) STRANDEDNESS:
142 (D) TOPOLOGY: linear
143
144 (ii) MOLECULE TYPE: protein
145
146
147 (ix) FEATURE:
148 (A) NAME/KEY: Protein
149 (B) LOCATION: 1..380
150 (D) OTHER INFORMATION: /note= "(OCIF protein without
151 signal peptide)"
152

RAW SEQUENCE LISTING PATENT APPLICATION US/09/062,113

DATE: 08/05/1999
TIME: 12:18:42

INPUT SET: S32785.raw

```

153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
155
156   Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp Glu Glu Thr Ser His
157   1              5              10              15
158
159   Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr Tyr Leu Lys Gln His
160           20              25              30
161
162   Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro Cys Pro Asp His Tyr
163           35              40              45
164
165   Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys Leu Tyr Cys Ser Pro
166           50              55              60
167
168   Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu Cys Asn Arg Thr His
169   65              70              75              80
170
171   Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr Leu Glu Ile Glu Phe
172           85              90              95
173
174   Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe Gly Val Val Gln Ala
175           100             105             110
176
177   Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg Cys Pro Asp Gly Phe
178           115             120             125
179
180   Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys Arg Lys His Thr Asn
181           130             135             140
182
183   Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys Gly Asn Ala Thr His
184   145             150             155             160
185
186   Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr Gln Lys Cys Gly Ile
187           165             170             175
188
189   Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg Phe Ala Val Pro Thr
190           180             185             190
191
192   Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val Asp Asn Leu Pro Gly
193           195             200             205
194
195   Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile Lys Arg Gln His Ser
196           210             215             220
197
198   Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu Trp Lys His Gln Asn
199   225             230             235             240
200
201   Lys Asp Gln Asp Ile Val Lys Lys Ile Ile Gln Asp Ile Asp Leu Cys
202           245             250             255
203
204   Glu Asn Ser Val Gln Arg His Ile Gly His Ala Asn Leu Thr Phe Glu
205           260             265             270

```

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/062,113DATE: 08/05/1999
TIME: 12:18:42

INPUT SET: S32785.raw

206
207 Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly Lys Lys Val Gly Ala
208 275 280 285
209
210 Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys Pro Ser Asp Gln Ile
211 290 295 300
212
213 Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn Gly Asp Gln Asp Thr
214 305 310 315 320
215
216 Leu Lys Gly Leu Met His Ala Leu Lys His Ser Lys Thr Tyr His Phe
217 325 330 335
218
219 Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr Ile Arg Phe Leu His
220 340 345 350
221
222 Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu Phe Leu Glu Met Ile
223 355 360 365
224
225 Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys Leu
226 370 375 380
227

(2) INFORMATION FOR SEQ ID NO:5:

228
229
230 (i) SEQUENCE CHARACTERISTICS:
231 (A) LENGTH: 401 amino acids
232 (B) TYPE: amino acid
233 (C) STRANDEDNESS:
234 (D) TOPOLOGY: linear
235
236 (ii) MOLECULE TYPE: protein
237
238
239 (ix) FEATURE:
240 (A) NAME/KEY: Protein
241 (B) LOCATION: 1..380
242 (D) OTHER INFORMATION: /note= "(OCIF protein)"
243
244 (ix) FEATURE:
245 (A) NAME/KEY: Peptide
246 (B) LOCATION: -21..0
247 (D) OTHER INFORMATION: /note= "(signal peptide)"
248
249
250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
251
252 Met Asn Asn Leu Leu Cys Cys Ala Leu Val Phe Leu Asp Ile Ser Ile
253 -20 -15 -10
254
255 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
256 -5 1 5 10
257
258 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/062,113

DATE: 08/05/1999
TIME: 12:18:42

INPUT SET: S32785.raw

Line

Error

Original Text